

Title (en)
DIRECT PRINTING OF 3-D MICROBATTERIES AND ELECTRODES

Title (de)
DIREKTDRUCK VON 3D-MIKROBATTERIEN UND ELEKTRODEN

Title (fr)
IMPRESSION DIRECTE DE MICROBATTERIES ET D'ÉLECTRODES 3D

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Application
EP 18766918 A 20180316

Priority

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Abstract (en)
[origin: WO2018170474A1] Various embodiments disclosed relate to novel methods of fabricating 3-D Li ion batteries using direct nanoimprint lithography. The present invention includes methods of fabricating high surface area electrodes, including imprint patterning of high aspect ratio parallel grating style electrodes. The method includes coating a substrate with an ink containing nanoparticles and subsequently annealing the ink into a desired pattern.

IPC 8 full level
H01M 4/04 (2006.01); **H01M 4/74** (2006.01)

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Citation (search report)

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DOCDB simple family (application)
US 2018022997 W 20180316; EP 18766918 A 20180316; JP 2019551378 A 20180316; US 201816493971 A 20180316; US 202217808229 A 20220622